

## ABSTRACT

This invention relates to compounds having structural homology to a contiguous sequence of amino acids within the sequence representing residues 149-197 of the G protein of respiratory syncytial virus, in which a) no oligosaccharide is linked to potential serine, threonine or asparagine attachment sites; b) four cysteine residues are involved in disulphide linkages; and c) the pattern of disulphide linkage is Cys 173 linked to Cys 186, and Cys 176 linked to Cys 182, and in which said compounds possess a biological activity of respiratory syncytial virus G protein, and also encompass biologically-active peptidomimetic and other analogues of these compounds, and antibodies thereto. The compounds of the invention are useful as therapeutic, diagnostic, and screening agents in relation to *Pneumoviruses*, especially respiratory syncytial virus.

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